



NA1SS, NA1SS, This is KA7SKY Calling....

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2004 AMSAT Annual
Symposium
Arlington, VA

October 9, 2004

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Introduction

- Background
- Funding
- Station Design
- Classroom Integration
- Contact Preparation
- The Big Day!
- Media Relations
- The Future



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Background

- Elementary school
- 640 students
- KA7SKY est. 2001
- Classroom Contacts
- Kid's Day
- JOTA



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Funding

- Community Involvement
- School District Support
- Business Discounts

**Paradise Valley
Unified School
District**



**Scottsdale
Charros**

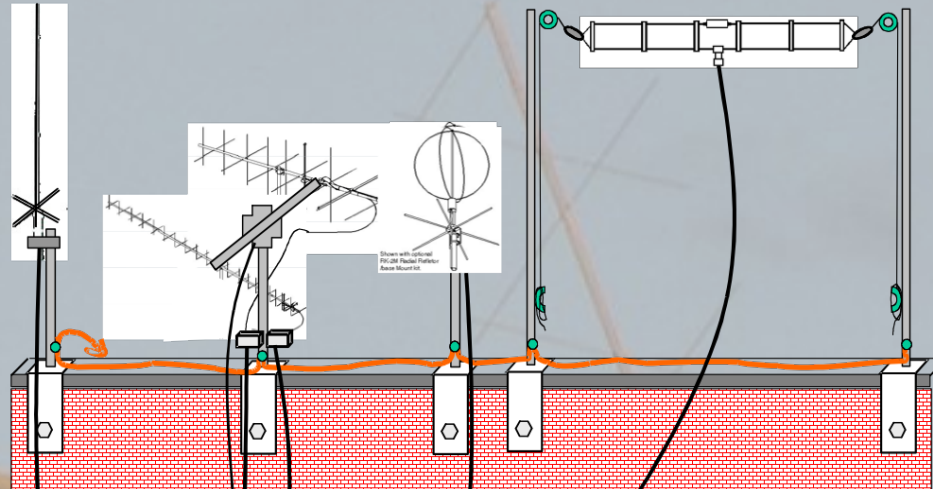


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Station Design

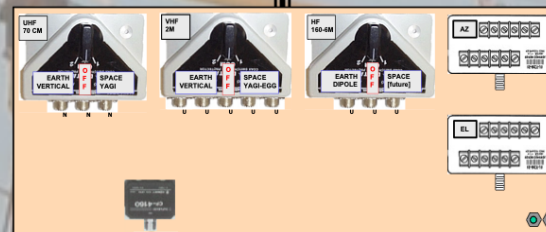
ROOFTOP ANTENNAS

FOR CAPTURING AND SENDING
BOTH EARTH AND SPACE SIGNALS



SINGLE POINT GROUNDING PANEL

FOR LIGHTNING PROTECTION AND
ANTENNA SELECTION

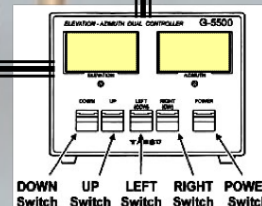


OPERATING DESK

FOR OPERATOR CONTROL OF
STATION COMMUNICATION



PC FOR CALCULATING
SATELLITE POSITIONS



ANTENNA CONTROLLER
FOR TRACKING SATELLITES



YAESU FT-847 TRANSCIEVER FOR
EARTH AND SPACE COMMUNICATIONS

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Classroom Integration

- Buddies in Space Program
- ISS Visible Pass Predictions
- Astronaut Tidbits for Teachers
- Classroom Mission Patch Posters
- Student Question Sheets



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Contact Preparation

- Station Set-Up
- Back-up Station
- Student Selection
- Media Contacts
- VIP Invitations
- Student Rehearsals
- Dress Rehearsal



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The Big Day!

1. *Why were you chosen for Expedition 8*
2. *What did it feel like when you launched?*
3. *What did you do to prepare for working with people from other countries?*
4. *Do you have to wear a space suit all the time?*
5. *If you were not an astronaut, what job would you have?*
6. *If you could keep one thing from your mission, what would it be?*
7. *And sixteen more great questions from the students.....*



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Media Relations

THE ARIZONA REPUBLIC



EAST VALLEY
Tribune.COM



- Newspaper Reporters
- Television Stations
- Live Talk-Radio Interview
- Mayor of Scottsdale
- School Superintendent
- School Board Members
- Amateur Radio Clubs
- Arizona Science Teachers' Convention



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The Future



- Classroom Contacts
- Satellite Exploration
- School Club Activities
- Amateur Radio Classes
- Echo AO-51 Operation

